

# PATENT SPECIFICATION

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## DRAWINGS ATTACHED

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## (54) AN ARTICLE OF METAL TO BE WORN ON THE PERSON

- (71) I, FREDERICK ALAN IRVING MUNTZ, a British subject, of 49, Horton Street, London, W.8, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—
- It is well known to construct articles of copper in a form convenient to be worn on the person, for example in the form of a bracelet or anklet, wearing of such articles being based on the belief that, in the presence of moisture, copper ions enter the body and afford some relief to rheumatic or arthritic subjects.
- The present invention consists in an article shaped to be worn surrounding at least a substantial part of a limb of a person, said article being formed of at least two metals, one being copper and another being a metal having an electro-chemical potential which is more negative than that of copper, the arrangement being such that the copper and said other metal are in contact with one another along a line extending around at least a substantial part of the inside of the article, so that, in use, the metals on either side of the line of contact are close to or in contact with the skin of the wearer.
- The length of the said metals on either side of said line of contact is made as large as possible.
- When the article is worn with the junction along said line of contact between the metals against or close to the skin, the presence of moisture activates the electrolytic cell at the junction so that the copper ions are driven into solution and absorbed by the body.
- A particularly suitable metal for use in combination with the copper is silver, whilst gold may also be used.
- In the case of a bracelet, for example, a copper band of a size to be worn in a retained position on the wrist may be provided with a continuous or interrupted, inlaid, electro-deposited or otherwise applied strip or layer of silver, usually but not invariably on the inside of the copper band and in such disposition that a junction between the copper and the silver is located for contact with the wearer's skin.
- A strip of silver of a width less than that of the copper band and applied by electro-deposition can be employed, since the amount of silver required is relatively small, it being the copper which tends to dissolve.
- One embodiment of the present invention will be described with reference to the accompanying drawing.
- In the drawing there is shown a bracelet 10 of copper having deposited, for example electrolytically, on its inner and outer surfaces strips 11 and 12 respectively of silver.
- The bracelet ring is conveniently arranged to extend at least three quarters of the way around the wearer's wrist and to be flexible enough to be sprung over the wrist. Alternatively the ring may be made sufficiently ductile to be pressed into contact with the wrist and to remain in that condition after pressure is released.
- As an alternative, for large-scale production a strip of silver may be silver-welded or silver-soldered into a groove formed in a bar of copper and the composite bar rolled or drawn down to the required cross-sectional dimensions before cutting into lengths for formation into the required bracelets or other articles.
- WHAT I CLAIM IS:—
1. An article shaped to be worn surrounding at least a substantial part of a limb of a person, said article being formed of at least two metals, one being copper and another being a metal having an electro-chemical potential which is more negative than that of copper, the arrangement being such that the copper and said other metal are in contact with one another along a line extending around at least a substantial part of the inside of the article,

so that, in use, the metals on either side of the line of contact are close to or in contact with the skin of the wearer.

5 2. An article according to claim 1, adapted to extend at least three quarters of the way around the wrist or ankle of a wearer.

10 3. An article according to claim 2 or 3 wherein said other metal is provided in the form of a strip disposed substantially centrally of the copper which is in the form of a strip.

4. An article according to any preceding

claim, wherein the said other metal is silver.

5. An article according to claim 1, 2 or 3, wherein said other metal is gold.

6. An article to be worn on the person, substantially as hereinbefore described with reference to the accompanying drawing. 10

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COMPLETE SPECIFICATION

1 SHEET

*This drawing is a reproduction of  
the Original on a reduced scale*

